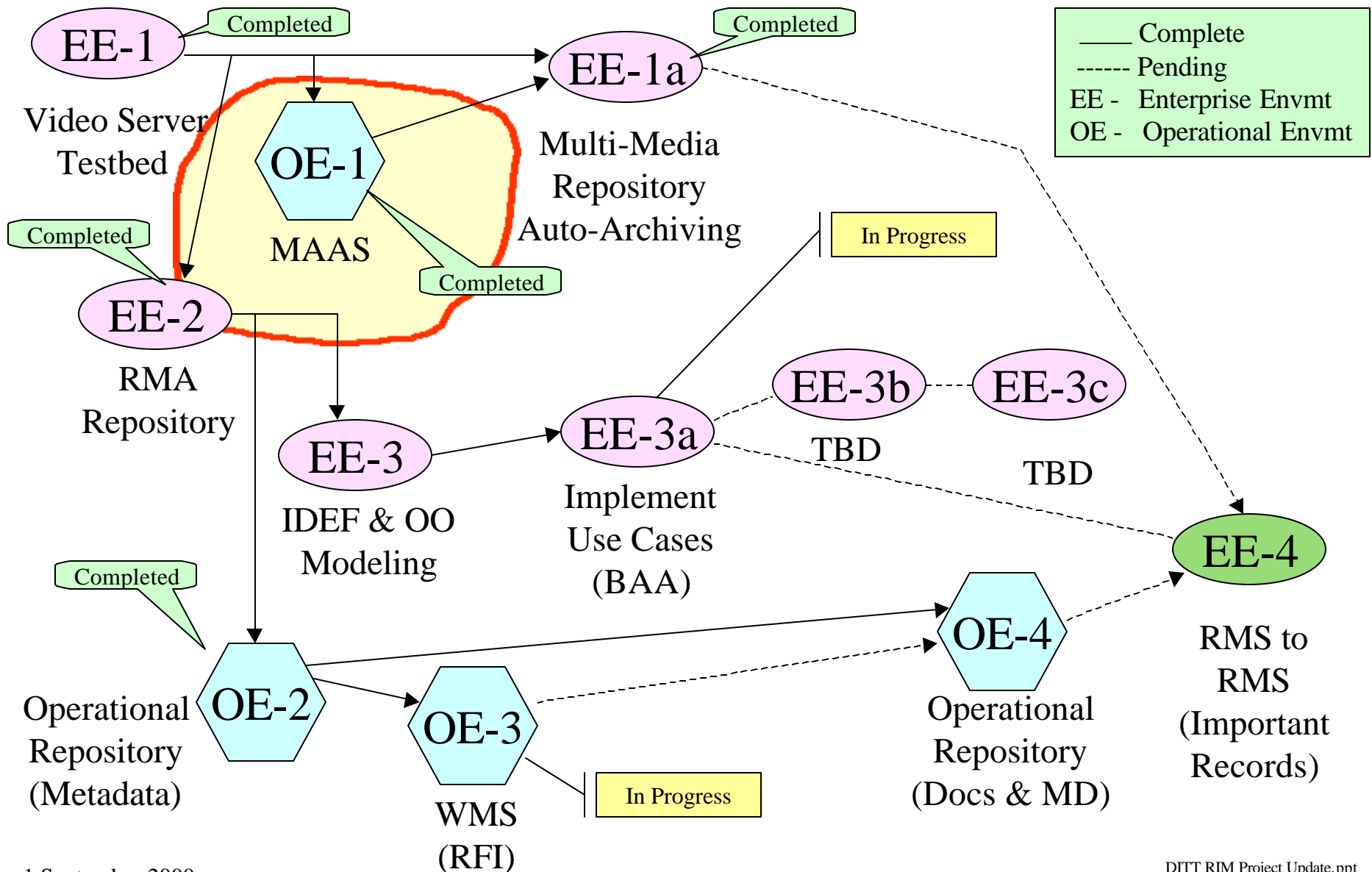


# DITT Prototyping Efforts OE-1 Multi-Media Archives Analysis System (MAAS)

Updated June 2000

Prepared by  
DITT Core Team  
Center for Army Lessons Learned

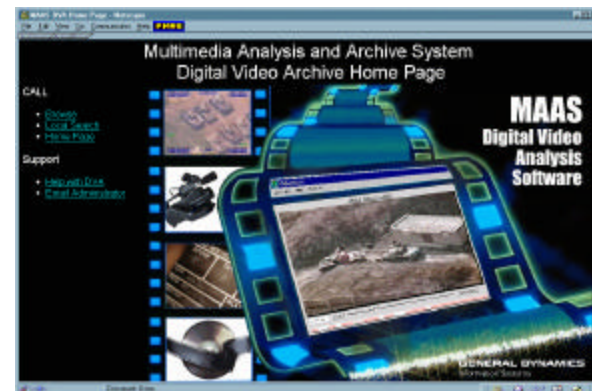
# DITT Operational Environmt Prototype 1



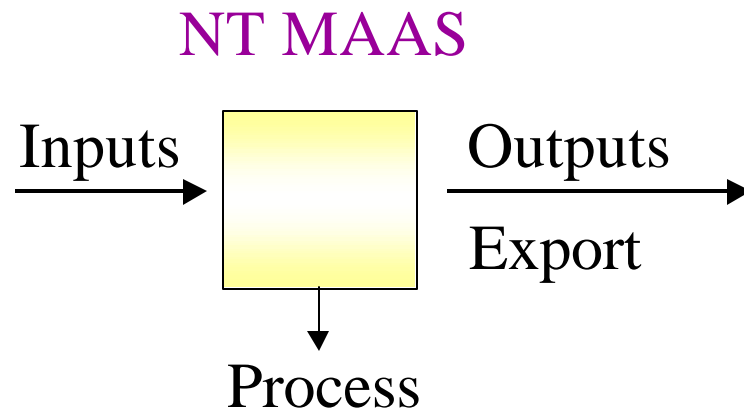
# DITT RIM Projects - Multimedia Records, Desktop Tool, OE-1 Prototype

- Objective
  - develop front-end user tools to assist with collection management of full motion video to support intelligence analysis mission
  - incorporate records management methodologies ensuring they remain transparent to the desktop user
  - provide desktop user with a simple web-browser for local quick, easy search and retrieval

MAAS Prototype URL  
<http://160.149.176.132>



# OE-1 DITT Prototype -- NT MAAS



- Create multimedia record with corresponding metadata
- Production reduces to hours vs. days
- Analysts “analyzing” not “editing”
- Controlled vocabulary
- Standardized processes
- Document Management

- Inputs
  - mpeg, jpeg, text, attached files (output from Desktop Apps)
  - Intel Analysts “comments”
  - System generated MD
  - Manually generated MD
- Outputs
  - useable video
  - value-added “clips” with associated attachments, analysis and metadata (MNICC mission record)
  - Script file generated for Unix MAAS upload process

# OE-1 MAAS, Front-end Processing System

- Networked PC / NT workstations & servers solution
- Scalable to multiple parallel mission video imagery encoding & capture streams
- Scalable to multiple parallel video imagery analyst workstations
- Scalable on-line raid storage and archive
- Capable of utilizing and integrating the UAV ESD information automatically into the video analysis database when the ESD information is available to the theater
- Under development are: Digital Multimedia Mission Folder, MPEG2 video, UAV ESD (sensor ephemeris data) input, WEB server & interface, Hierarchical Storage Management, dynamic WEB video & information delivery

## OE-1 MAAS -- Front-end Processing System (con't)

- Proof-of-concept system installed and operational at the Multinational Intelligence Coordination Cell (MNICC) at RAF Molesworth England
  - Video image analysts for UAV, P-3, C-130 and hand held camera video imagery
  - Producing multimedia HTML CD-R products & handbooks
    - multimedia data includes video, images and text
  - Video clips, images and mosaics available on LOCE on MICC home page
- Proof-of-concept systems installed at CENTCOM sites in the Middle East
- Upgraded MAAS installed at the JAC Molesworth (US Cell)
- NIMA, D.C. area considering acquisition of six systems

# OE-1 Multimedia Applications

- Multimedia Solutions Technology
  - Integrated Multimedia Analysis and Archive Solution
  - Multimedia data types
    - video - UAV, handheld camera, on-board aircraft/platform, television
    - images - variety including hand held camera & scanned images
    - text - comments, documents, closed caption, reports
    - audio & voice
  - Photogrammetry & geo-spatial phenomenology & analysis techniques
  - Intuitive analyst interfaces
  - Records management, workflow, databases & archive
  - WEB interface & networking
  - Applying consumer & small business office H/W & S/W products

**Want more details?**